

Claims

1. A carbazole derivative containing a fluorene group, represented by the following general formula (1):



wherein Cz represents a substituted or unsubstituted carbazole group; Ar represents a substituted or unsubstituted aromatic hydrocarbon group, a substituted or unsubstituted aromatic heterocyclic group, or a substituted or unsubstituted condensation polycyclic aromatic group; A represents a substituted or unsubstituted fluorene group; and n is an integer of from 1 to 4.

2. An organic electroluminescence device comprising a pair of electrodes, and at least one organic layer interposed therebetween, wherein the device contains a carbazole derivative containing a fluorene group, represented by the following general formula (1) as a constituent material of the at least one organic layer:



wherein Cz represents a substituted or unsubstituted carbazole group; Ar represents a substituted or

unsubstituted aromatic hydrocarbon group, a substituted or unsubstituted aromatic heterocyclic group, or a substituted or unsubstituted condensation polycyclic aromatic group; A represents a substituted or unsubstituted fluorene group; and n is an integer of from 1 to 4.

3. The organic electroluminescence device as claimed in claim 2, containing the carbozole derivative containing a fluorene group, represented by the general formula (1) in an emission layer.

4. The organic electroluminescence device as claimed in claim 2 or 3, wherein emission from the device is mainly phosphorescence emission.